1932

FIELD NOTEBOOK

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U. S. DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C.

8—299

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Reed C. Rollins
Botany Dept. U. of W.
Laramie, Wyoming

Subject.

Date, June 8 Locality, Bridger Valley, Uinta Co.

100 Soil on cotton wood. 2 mi W. of Ft Bridger
101 " " " " "
102 Soil under sagebrush - Smiths Fork.
103 " along creek Ft. Bridger.
104 Submerged in water " "
105 On soil " "
106 Submerged in sluggish stream " " 106
107 Black soil in woods Ft Bridger
108 Soil along stream bank - " "
109 Stream bank - near Lyman.
110 Submerged in stream - Ft Bridger
111 On flume wood - " "

Notes made by R. Rollins

GOVERNMENT PRINTING OFFICE 8—299

Subject.

Date, June 8 Locality, Bridger Valley,

112 Soil Ft. Bridger.
113 Soil under Sagebrush Smiths Fork.
114 Stream - submerged. Lyman
115 Bark. Ft. Bridger. - Bark at base of willow
116 Soil near stream, "
117 Rotten wood Ft Bridger
118 Tree " "
119 " " "
120 along stream " "
121 Submerged in stream - Ft Bridger
122 Soil near stream - Lyman.

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Notes made by R. Rollins

Mosses Subject.

Date, June 10, 1932 Locality, Blacks Fork near Millburne.

123 Submerged in semi-stagnant stream.
124 Soil under bank.
125. Submerged in stream - maybe same as 123
126. Soil in open.
127. along stream bank.
128. Soil stream bank.
129. Swampy soil in open.
130. Soil along stream.
131. Swampy soil in open.
132. Bank at base of tree.
133. Soil along stream.
134 Soil near stream and base of trees.

Notes made by Reed Rollins.

Subject.

Date, Locality, Black's Fork near Milburne.

135 Soil near stream.
136 " " "
137 " " "
138 " " "

Notes made by Reed Rollins

GOVERNMENT PRINTING OFFICE 8—299

Subject.

Date, June 8 1932 Locality, ~~4 miles east of Lyman~~

139 Fort Bridger, June 9
140 Black Fork above Fort Bridger honiera
141 " " " " "
142 " " " " "
143. Eriogonum 4 miles E of Lyman June 8
144 Astragalus " " "
145 do
146 do
147 Thermopsis do
148 do
149 do
150 do

GOVERNMENT PRINTING OFFICE 8—299

Notes made by

Subject.

Date, June 8 Locality,

151 4 mi east of Lyman
152 do
153 do
154 do
155 do
156 do
157 moss. Spring soil near Evanston June 12
158 " Bear River - moist soil " " " 13
159 " " " " " " "
160 " Rollins Ranch. Soil. June 15

Notes made by

Subject.

Date, East Beaver Cr. Locality, Uinta Co

161 along stream - Sonetree, Wyo. June 15
162 " " " "
163 " " " " " "
164 do
165 on base of willow " " " "
166 do
167 along stream do
168 on rotten wood do
169 Soil along stream do
170 do
171 Soil along stream
172 Submerged in stream do.

GOVERNMENT PRINTING OFFICE 8—299

Notes made by R. Rollins

Subject.

Date, [illegible] 32 Locality,

173 Submerged in stagnet stream. Black Fork, June 10, 1932

174 Mrs Akermans Garden, Mt. View Wyo. June 10.

175 Sandy knolls, Robertson, Wyo. June 15, '32

176 " " " "

177 " " " "

178 Rocky knolls north of Lyman June 15

179 " " " " "

180 " " " "

181 " " " "

182 " " " "

183 " " " "

GOVERNMENT PRINTING OFFICE 8—299

Notes made by

Subject.

Date, Locality, 1932

184 Rocky knolls north of Lyman June 15
185 do
186 do
187 do
188 Among the Junipers Between Lyman & Lonetree
189 do
190 do
191 do
192 do
193 do Gilia congesta Hooker.
194 do
195 do

Notes made by

Subject.

Date, _____ Locality, _____

196 Among the Juniperus Between Lonetree & Cokeville
197 do
198 do
199 do
200 do
201 On rocks Cokeville Lincoln Co. June 21
202 do
203 Clinging to rocks submerged in Smiths Fork do.
204 On rocks along Smiths Fork. Cokeville, June 21
205. Soil on rocks do
206 do
207 On rocks do

Notes made by _____

Subject.

Date, ... Locality, ...

24

209 moist soil on rocks. Cokeville - Lincoln - June 21
210 Soil on rotten wood Spring - Swift Creek Canyon ☆ valley
211 On dry rock do.
212 mats on rotten wood do
213. on dry wood do
214 mats on soil do
215 do
216 do
217 Willow base.
218 Soil spring
219 Rotten wood.
220 Soil - mats

Notes made by Reed C. Rollins

227. Marasmia populi (Lib) Sacc. on Populus tremuloides Michx.

Subject.

Date, _____ Locality, _____

221 attached to moss - Springs hillside do.
222. ~~Soil~~ Rock — do —
223 Soil - Spring do.
224 moss - Spring - Salt creek canyon - Lincoln Co.
225 Wyo. Nat'l Forest Lincoln Co. June 24, 1930
226 do Swift Creek Canyon
227 narrows - Star Valley June 23
228 do diseased and healthy specimens
229 Divide - Cokeville + Star Valley June 22
230 do.
231 Cokeville, Wyo June 22
232 narrows + Star Valley June 23

Notes made by _____

239 physaria didymocarpa (Hook) Gray

Subject. Send name to Bradford

Date, _____ Locality, _____

233 Swift Creek Canyon - Star Valley - June 24
234 do
235 do
236 do
237 do
238 do Send name to Dana Bradford
239 do " " " "
240 do
241 do
~~242 do Swift Creek~~ Nerinea, Star Valley June 23
243 moist rocks - Seepage hillside - Kinsley, Wyo. July 6, '32
244 " " " " "

Notes made by _____

253 - Erysiphe polygoni DC.

Subject.

Date, _____ Locality, _____

245 moist S.S. Rocks - Lingle, Goshen Co. July 6, '32
246 Soil - Breaks South of La Grange Laramie Co. July 7, '32
247 Rocks do do
248 Platte Valley - near Torrington July 1, '32
249 do " 2, '32
250 do South of " July 1, '32
251 do Lingle, Wyo. " "
252 Hawk Springs June 29, '32 Ustilago avenae.
253 South of Torr. along road July 1, '32
254 Platte Valley Goshen Co. July 2, '32
" puccinia Clematidis (DC) Lagerh

Notes made by _____

265 Ramularia decipiens E.&E.

Subject.

Date, Locality,

255 Goshen hole July 8, '32
256 near Lingle July 6, '32
257 Bluffs near La Grange July 7,
258 do
259 do
260 do
261 do
262 do
263 plains near La Grange July 7
264 Lingle wfw. July 6 - send dope to Mrs Hollingsworth
265 " " " " the orchard.
266 " " " "

Notes made by

Subject.

Date, _____ Locality, _____

267 Goshen hole July 8
268 ~~State Farm~~ ~~Farm July 11~~ Hingle July 2.
269. Wheatland July 12, '32 ~~peach~~ apple tree.
270 Cheyenne July 11 - Holidaypond - Spiraea - Send inf.
271 do do
272 do do
273 State Exp. Farm - Torrington July 11 - Nematode
274 do. Sweet pea. prevalent
275 do apple
276 do "
277 State farm do -
278 do

Notes made by _____

Subject.

Date, Locality,

279 Wheatland, July 8 Hog millet.
280 " July 13
281 do do wild morning glory
282 do July 14 wild sunflower
283 do do Lilacs
284 do do orchard E. of wheatland
5 Douglas July 15 Uromyces medicaginis on medicago
6 do July 16
7 do do wild buckwheat
8 do do
9 Lusk July 17 Tomato
290 do do onion maggot on onion
no gain to plant

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Notes made by

Subject.

Date, _____ Locality, _____

291 Newcastle - Stockade Beaver Cr. July 18
2 do do do
3 Cowley B. Farm July 23 asparagus
4 Lovell July 25
5 do do Cercospora rhoina on Rhus Trilobata.
6 Worland - July 26 - many fields affected
7 Lovell do
8 do do
9 do do onions maggot
300 near Lovell. July 28
1 " do
2 Tomatoes - Lovell - July 29

Notes made by _____

Subject.

Date, _____ Locality, _____

303 East of Lowell July 29
4 " Aug. 1 watermelon insect of some kind.
5 Kane Aug 8 plant has burr as fruit.
6 " Prune Trees - Aug 9, Send inf. -
7 Name of weed - Kane Aug. 9. - Tilley Farm.
8 " & medicinal value - Kane - Aug. 9. Send inf to Chilcott
9 Kane - Aug. 9
10 Deaver - Aug 10. Send Brown inf. clover
11 " do Sweet pea.
12 " do. Holyhock - send Brown inf.
13 Lowell Aug 13 - [illegible]
14 East of Lowell Aug. 15 [illegible]

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Notes made by Rollins.

Subject.

Date, R. C. R. Locality,

315 Field East of Lowell aug 15 mosaic?
316 do Looks more like blight in field
17 Kane aug. 16 Tomato plant
18 Byron aug 18 Few remaining plants in field all dead
19 " do Cercospora Symphoricarpi E.&E. on Symphoricarpos
20 do do
21 Lowell aug. 16 end of to
22 do do
23 Byron aug. 19 plants dead also fungus
24 Lowell aug 23 from Tomato - determine if same
25 do collected for bacteria
26 Reeder aug. 24 Ustilago Crus-galli on Echinochloa Crus-galli

Notes made by

327. Puccinia Sacrobati (Peck) Bethel

335 Puccinia Xanthii Schw.

Subject.

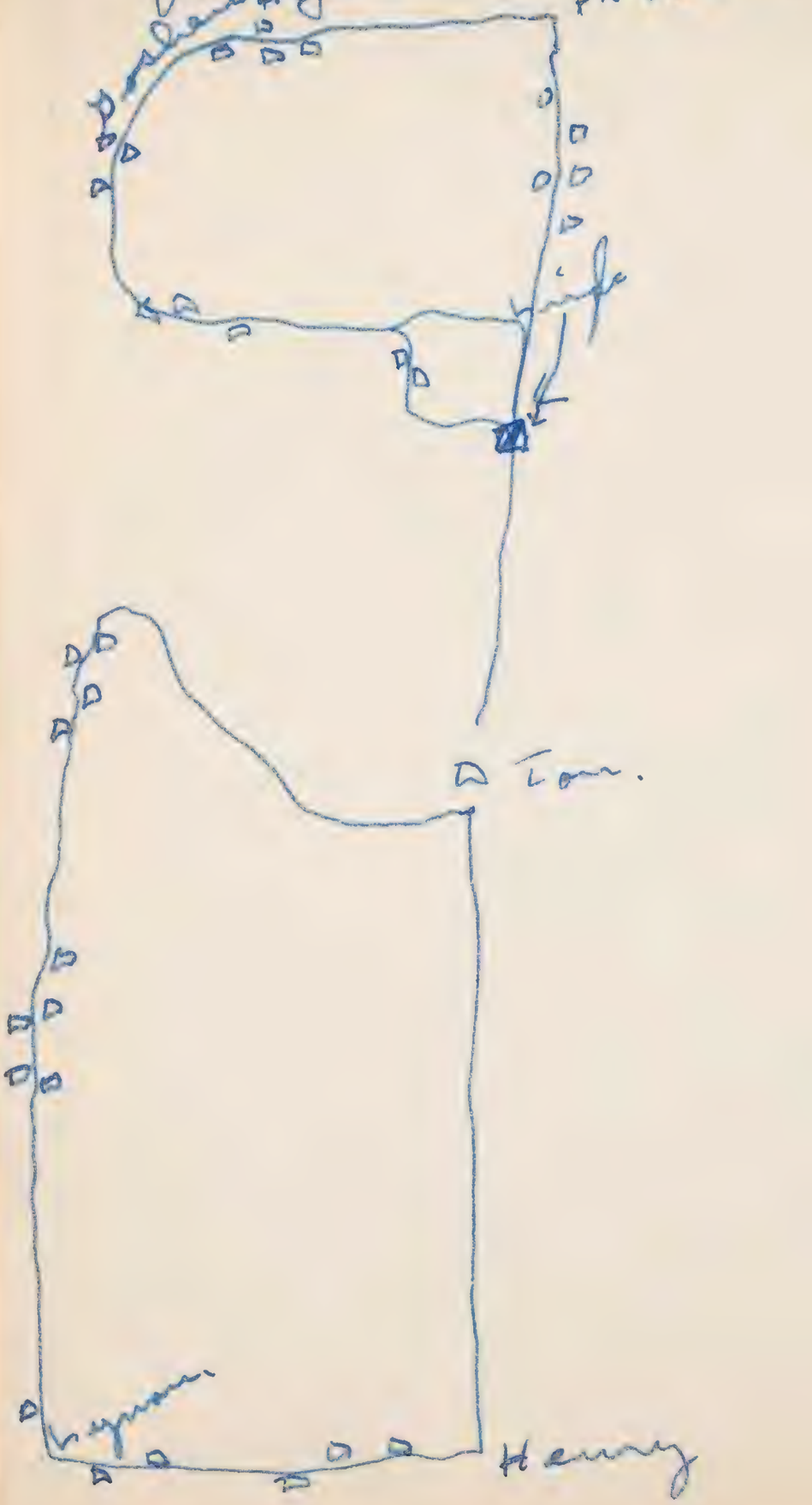
Date, _____ Locality, _____

327 Byron aug 25 - Grass along flood area of creek
28 " do willows silty shoals
29 do do
30 Howell aug. 26 plume plume reclined
31 do do do
32 do do do
33 City of Howell aug 27 - strawberry - plant at top of leaf
34 East of " aug 28, 1932 then wilt
35 Pine Bluffs - Sept 7, '32 Ambrosia trifida (host
36
37
38

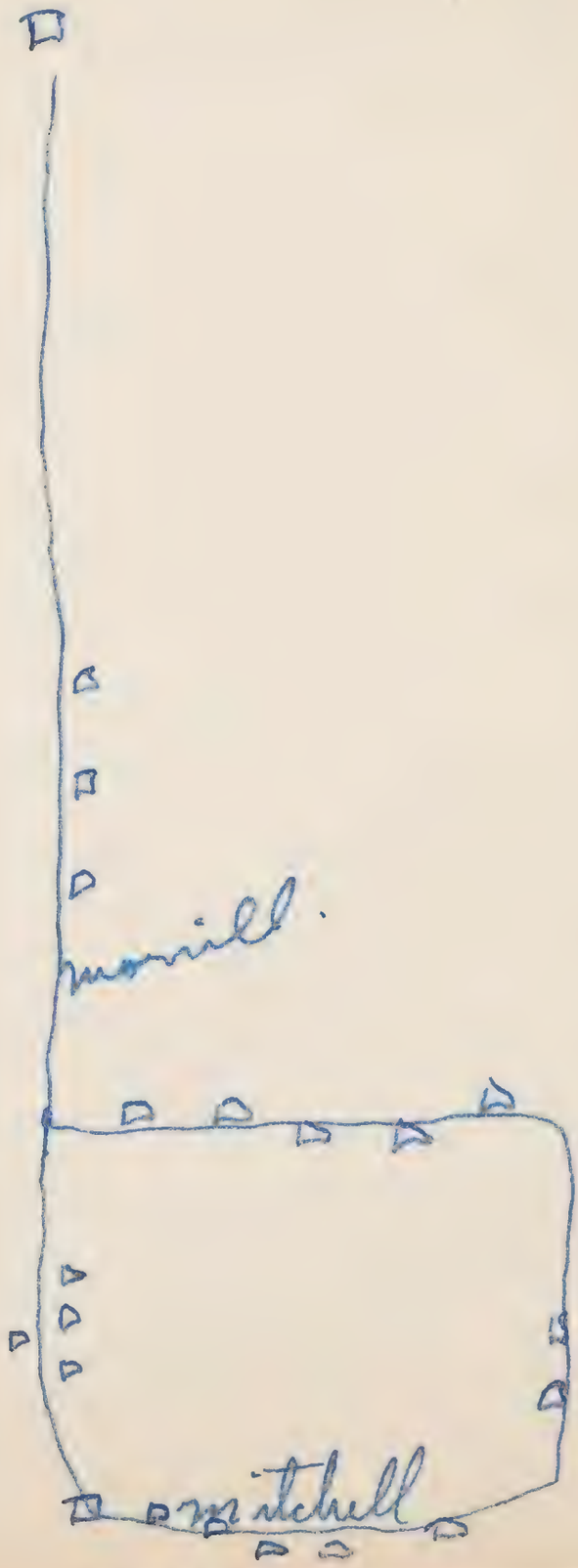
Notes made by _____

July 7.

July 6



July 5



July 2.

July 1, '32

1933

U. S. DEPARTMENT OF AGRICULTURE.

FORM 15.

FIELD DIARY

AND

TRAVEL RECORD.

Mr. [illegible]

Collection Members

(Official title.)

Period, _____ *to* _____

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8—3681

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When this book is filled another may be secured by application to the Chief of your Bureau.

W M Jardine

Secretary of Agriculture.

8—3681

Collection Numbers
1933.

324 Lupinus (diabla)?
Powell, Wyo. June 19

325 Lupinus (diabla)?
Powell June 19,

326.
Powell June 24.
Perennial.

327
Powell June 24,

328.
Worland — Sept. 11, 1933
Raspberry cane borer - sent
to Corkins

8—3681

329.
on cottonwood - populus
Greybull River
Sept. 26, 1933
null 330.
Do
null 331
null Do
332 Refer to specimens given Dr Kelkein + change number
null on Salix Do.

330. centaurea picris
collected near powell, Wyoming
July 10, 1933.

331 Lepidium draba L.
collected near powell
July 12' 33

332

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333

334

Send Dr. Nelson
data on no's

439

443

335

479

446

336

337

338

339

340

341. Euphorbia esula
Emblem Bench - along road
in field. July 21, 1933
First report from Rky mts.
342 Mnium Sp?
collected at the "Sinks"
above Wander, Wyo.
On quartzite rock in cave
Nov. 26, 1933
343
moss (Amblystegium fluviatile?)
Little Popo Agie River
Wind River Mts - Fremont
Co. Wyo. Nov. 28, 1933
Soil at base of willows
344 Soil stream bank at above
345. See not 352 etc

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350 moss collected on a rock along the Popoagie River above Wander, Wyo. Nov. 18, 1933

351 as above.

352. moss (Amblystegium Juratzkanum?) Soil at base of willows Little Popo Agie River - Wind River Nto - Fremont Co, Wyo. Between Wander & Atlantic City Nov. 28, 1933

353. Soil along stream bank & as above.

354. As above

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no 355 - as above
Soil along stream bank.
No 356 as above
on rocks in stream
No. 357 as above
on the base of rotted willows
No. 358 as above
Base of willows - dryer areas
"mosses" sent to Porter
359 Forming mat over granite
rocks. Big Goose Cr., Sheridan
Co. Mar. 2, 1934 15 mi west of Sheridan
360 On granite rocks at
waters edge - as above
361 On soil at base of granite
rocks & at base of willows
as above.
362 - Forming mats over granite
rocks in shade. as above
363. Soil at base of large
granite rocks.

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364 On soil near stream.
as above
365 Orthotrichum laevigatum?
On granite rocks in open
as above
366 Forming mat on shady
side of granite rocks - as above.
367 Bryum argenteum?
On granite rocks in the open.
as above.
368 On soil at base of
granite rocks in shade.
as above.

369 Soil on rotting wood
Big Goose Creek Canyon -
Sheridan Co. Wyoming -
April 8, 1934
370 Soil on rock
as above
371 Soil on rock near stream
as above

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372. Soil on rocks - moist hillside - as above
373 Soil on moist hillside liverwort - as above
374 Soil on Rocks as above
375. On limestone Rock forming thin layers as above
376 On rocks in open as above.
377. On bark of dead willow as above
378 Rocks near water edge as above
379 Sandy soil under rock. moist place. as above
380. Bryum argenteum ? Soil in crevices of granite rocks in the open - As above
381 - On rock at waters edge - as above

382 - On thin soil on rocks
moist hillside - as above -
383 - Juncus montana?
moist soil at base of huge
granite rocks - as above
384 dense mats on moist
soil.
385 - dense mats on moist
soil in open -
386 Coarse soil ~~as~~ as above
387. Big Horse Cr 15 mi
west of Sheridan - forming
mat in soil over granite
rock in shade - Mar. 2, 1934
388 Rotting log - Buffalo,
Wyo. April 14, 1934

389 orthotricum
on Granite rocks 5 mi
west of Buffalo, Wyo. April 15
1934

8—3681

390 On rocks in old creek
bottom as above
391 Swartzia montana
Soil in old creek bottom
as above
392 Mnium rostratum?
Soil under rock
as above
393 Soil in old creek bed
as above - never saw this before
394. Enclyptia
Soil under rock
395 matted on granite rocks
as above
396. Base of tree
as above
397 Bryum argenteum
Granite rocks - as above
398 Soil - along banks of old
creek bed
399 Soil under granite rocks
as above

400 Soil on bank of old
creek bed — as above
401 Soil and rock
as above

Phanerogams det. Walther
Lomatium macdougali C. & R.
402 - Sandy Hillsides - upper
Johnson Creek - Johnson County
Wyoming - April 18, 1934
403 - Moist hillsides near Ranunculus glaberrimus var.
~~Buffalo~~ Story - ~~Johnson Co.~~ Sheridan Co. - April 18, '34
404 - Mertensia
protected hillsides near Buffalo
Johnson Co. Wyo. April 18, 1934
405 Erythronium
Rocky hillsides - upper Johnson
creek - Johnson Co. April 18
glabrous pl. = Cymopterus lecanlia (purple) Rdf.
406 pub. pl. = Lomatium orientale C. & R.
det. Walther
Sandy Knolls near Buffalo
Johnson Co. April 18
407 Phlox Hoodii Richardson
Sand hills east of Buffalo -
Johnson Co. April 17, 1934

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408 Townsendia escapa (Rich) porter
protected hillsides west of
Buffalo about 8 miles
Johnson Co. april 18, 1934
409 ~~Dodecatheon conjugens Greene~~
~~Oregonne~~ ~~[illegible]~~
~~moist situation on Johnson Creek.~~
~~Open hill - Story, Wyo.~~ April 19, 1934
410 Claytonia
Story, Wyo. April 19 '34
411 Synthetis wyomingensis (A. Nels)
Sandy hillsides west of Buffalo
april 19, 1934
412 Heuchera cylindrica
hillsides east of Buffalo
april 23, 1934
413 Thermopsis rhombifolia (Nutt) Rich
6 mi west of Kaycee, Johnson
Co. april 27, '34
414
Roadside near Kaycee
Johnson Co
april 28, '34

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415 Oxytropis?
Northwest of Buffalo
May 1, 1924 - S. Knelle -

416 Astragalus bourkianus C. & R.?
Northwest of Buffalo
May 1, 1924

417 Astragalus caespitosus (Nutt) Gray.
as above

418 Hedysarum alpinum Nutt. var. incanum S. & R.
Roadside 4 miles East
of Douglas May. 5, 1924

Mosses

419
Base of granite rocks growing
tightly to rocks. Piney Cr. above Stone.
April 15, 1924

420
Submerged in streams
as above -

421
Growing in crevices on top
of granite rocks - as above

422 Hypnum revolutum?
On rocks & soil at water edge

423
Soil at base of rock
as above

424
On moist near water edge -
on soil - as above

Pleuroqynum
425 schreberianum bicolor Mitt.
on the mts near Story
Sheridan Co. Wyo.
May 8, 1934
426 as above Viola canadensis L.
427
as above
428
as above

8—3681

429 Rangeland & hills
lower Tongue River
Sheridan County, Wyo
May 15, 1934

430 Euphorbia robusta (Engelm) Small
as above

431 Commandra pallida DC.
as above

432 Castilleja sessiliflora Pursh
as above

433 Orogocarya glomerata (Pursh) Greene
as above

434 Achillea
upper Big Horn River
Sheridan County May 18, 1934

435 Rosa Woodsii Lindl.
as above - 1-1/2 M. high

436 Sedum stenopetalum Pursh
as above

437 Cornus stolonifera Michx.
as above

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438 phacelia linearis (pursh) heg.
as above May 18, 1934

Wyomingia Tweedyana (C. & R.) a. nels.

439 Penstemon Tweedyana C. & R.
Steep hillside at the
mouth of Big Horn Canyon
May 21, 1934

440 Penstemon eriantherus pursh
as above

441
as above

442 artemisia pulcherrima (Hook.) Greene
as above

443 Hesperella emoryi a. nels.
as above

444 Eriogonum aspenum sc.
as above

445 Castilleja linariaefolia Benth.
as above

446 Penstemon albidus nutt.
Plains - Lower Tongue
River - Sheridan Co. May 31, 1934
Fl. cream & white

8—3681

447 Lewisia Fendleri Gray.
Var.
as above

448 Sternotus armeroides Nutt.
as above (late)

449 Lewisia purshianus Nutt.
as above

450 Eriogonum Engelmannii A. Nels
plains near Decker,
Montana Rosebud County May 23, 1934

451 Calochortus Nuttallii T. & G.
Fl white — as above

452 Eriogonum crassifolium Benth.
Var. tectum A. Nels.
as above

453
Big Horn Mts — 19 miles
west & south — Bighorn
County — May 25, 1934

454
Fl white as above

455 Viola
Fl white (as above)

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456 Viola - as above
Fl purple
457 Phlox multiflora a. nels. Pl white - as above
458 Morrison May 25, 1934
Minum
Along stream bank - Rock
Creek - Big Horn mts -
19 miles west of Dayton
459
On Cotton wood
as above
460
In shade on soil - along
under stream bank
as above
461
Stream bank on soil
as above

462 - Mosses
moist soil near water
edge - Stockade Beaver Creek
weston County - July 19, 1932
463 -
Moist soil - Stream bank
as above
464 - as
as above
465 - Soil under rock
as above
466
Dead bark of willow
as above
467
Soil at base of tree - as above
468
On rocks in stream
as above
469
on rotten wood
as above -

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470
Soil along stream +
into stream

471
Soil at base of rock
as above

472 - Soil at base of
willows - as above

473
Soil in shade by stream
as above

— " — " — " —

Phanerogams

474 Phacelia linearis (purdy) Holz.
Big Horn mts - 19 miles
West of Dayton - Sheridan Co
May 25, 1934

475 Clematis hirsutissima purdy
as above

476 Potentilla glaucophylla Lehm.
as above

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477 Penstemon glaber Pursh
East side of Big Horn Hill
west of Bighorn - May 25, 1934
Fl. purple
478 Mertensia foliosa A. Nels.
Fl. blue
up the Red Grade from
Bighorn Big Horn - also
the Bighorn Pass - May 26, 1934
479 Penstemon nitidus Dougl.
Fl. purple - as above
480 Mimulus alpestris Schmidt.
Fl. purple - as above
481 Pyrgadenus gramineus Rydb.
as above
482 Gilia spicata Nutt.
Subs. cephalotidea (Rydb.)
as above
483 Delphinium bicolor Nutt.
as above

484 Berberis repens Lindl.
as above

485 Polygonum bistortoides pursh
Big Horn Mts - 19 mi west
Dayton - May 25, 1934
Sheridan Co.

486 Phacelia Franklinii (R.Br) Gray
Big Horn mts - Buffalo - Ten
Sleep Road - June 4, 1934

487 Artemisia reflexa E. Nels.
as above Johnson County

488 Oxytropis parryana A. Nels.
as above

489 Penstemon aridus Rydb.
Big Horn mts Buffalo - Ten Sleep
Road - western slope - Washakie Co.
June 4, 1934

490 Cercocarpus ledifolius
as above
Washakie Co.

8—3631

491 Penstemon laricifolia H.&A.
as above Fls cream colored
492 Purshia tridentata
Hills near woods Wanding
Albany Co. June 1, 1934
493 Cercocarpus montanus Raf.
as above
494 Penstemon
near woods Wanding
Albany Co. June 1, 1934

Mosses.

495 Orthotrichum
Bark of Box Elder - Shaded
springy location - Big Goose
Creek about 10 mi above
Sheridan, Wyo. June 6, 1934
496
On dead willows lying across
small stream. Swift Creek
near Beckton, Sheridan County -
June 12, 1934

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497
on ashes of old camp fire
Swift Creek near Beckton,
Sheridan County - June 12, 1934
Phanaerogams
498 wood aster
Between Laramie & Medicine Bow
Laramie plains - June 2, 1934
499
Up the "Red Grade" Big Horn Mts
Sheridan County June 9, 1934
500 Viola canadensis L.
as above
501 Geranium
as above Fls pink
502 Geranium
as above Fls white
503
as above Fls purple ~~[illegible]~~.
504 Eriogonum
as above Fls pale yellow

8—3681

505

as above Fls pale yellow

506

as above moist ground

507

as above

508 Potentilla

as above

509 ~~Saxifraga~~ ~~Heuchera parvifolia~~ Nutt.

as above

510

as above Fls pale yellow

511 Townsendia parryi Eat.

as above Ray Fls blue

512 Eriogonum

Rocky hillside Beaver creek

Sheridan Co. June 12, 1934

513 Rosa

as above - plants about 3-5 dms

Fls large + pink

8—3681

514 Campanula

as above Fls purple

Disease

515

Leaf spots on Rhubarb like plant

Swamp among Typha - Big Goose

creek Sheridan Co. June 8, 1934

516

Leaf spot on what is locally commonly

called hemlock

Dense thickets growing in shade

Big Goose Cr. June 11, 1934

517

On grass - thick growth -

disease on basal leaves

Big Goose creek 7 mi west of

Sheridan June 11, 1934

518

Rust on same plant as 516

data as of 516

519

On Acer negundo L.
Prairie Dog Creek - Sheridan Co.
June 21, 1934

520

Prairie Dog Cr. Sheridan Co. June 19, 1934

521

Leaf spot on?
as above

522

Leaf spot on Symphoricarpos
Lower Prairie Dog Cr. June 18, 1934

523

Leaf spot on Symphoricarpos
upper Prairie Dog Cr. June 20, 1934

524

Leaf spot on?
upper Prairie Dog Cr. June 21, 1934

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525

Leaf spot on Rumex

upper prairie Dog Cr. June 21, 1934

526

Leaf spot on ?

lower prairie Dog Cr. June 19, 1934

527

On a vine dense under growth

prairie Dog Cr. June 20, 1934

528

On Taraxacum officinale L.

prairie Dog Cr. June 19, 1934

529

Spot on ?

upper prairie Dog Cr. June 21, 1934

530

plant growing in moist swamp (shaded)

upper prairie Dog Cr. June 20, 1934

531

plant growing in open moist swamp

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as above -

532

Witches broom on willow

Big Horse Cr. June 11, 1934

533

on Rosa

Prairie Dog Cr. June 20, 1934

534

? on Chenopodium

as above

535

leaf spot on Taraxicum officinale L.

as above

536

on Burdock (Arctium minus)

as above

537

on Amelanchier?

near Story, Wyo. June 17, 1934

538

on Mahonia repens

as above

227

on wild plum (prunus americana)
prairie dog cr. June 18, 1934

540

Shot hole on (chokecherry) prunus melanocarpa
upper prairie dog cr. June 20, 1934

541

Wood rotting on fallen poplar
prairie dog cr. June 20, 1934

542

wood rotting at base of ~~dead~~ dying
tree. (box elder)

543

mildew on? (Rust??)
prairie dog cr. June 20, 1934
one shot collected June 18, '34

Phanerogams

544 Lilium montanum A. Nels.
Tiger lily - moist river bottom
above Story, Wyo. June 17, 1934

Black soil - moist river bottoms (piney cr.)
above Story - June 17, 1934
546 Allium
as above - drier localities.
547 pyrola uliginosa Torr.
Moist situations as above (piney cr.)
548 Penstemon Rydbergii A. Nels.
Rocky situation drier areas
away from stream bed.
549 Apocynum androsaemifolia L.
brush slopes - as above
550 Amelanchier alnifolia Nutt.
dry hillsides - small shrubs -
scattered - not in clumps -
upper Prairie Dog Cr. June 20, 1934
551 Galium boreale L.
on the mountains above
Story, Wyo. June 17, 1934
552 Campanula rotundifolia L.
as above fl. purple.

same as 514

553 Zygadenus elegans Pursh
Foot hills above Story
June 17, 1934
554 Veronica americana Schwein.
moist situations - creek bed
of piney Cr. June 17, 1934
555 Geranium
Creek bottom - as above Fls white
556 Castilleja ~~lanceifolia~~ rhexifolia Rydb?
as above - Fls red
557 Ratibida columnaris (Sims) D. Don.
Hillsides east of Sheridan.
June 23, 1934
558 Rhus Rydbergii ?
as above - Sandy soil.
559 Eriogonum multiceps Nees
as above
560 Petalostemon purpureum (Vent) Rydb.
Data as above

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561 Symphoricarpos
Along Tongue River near
Ranchester, Wyo.
June 28, 1934

Diseases

562
Rust on Hypericum lepidota
Prairie Dog Creek June 20, 1934
563
On a shrub about 8 ft high
growing in ravines - dry
areas - East of Sheridan
564
Leaf spot on Convolvulus
Tongue River below Ranchester
June 26, 1934
565
Rust on Thalictrum?
June 26, 1934 Tongue River

8—3681

568 Viola vallicola a. nels.
Moist hillsides near Story
Sheridan County, Wyoming
April 18, 1934.

566
Rust -
Tongue River below Ranchester
June 26, 1934
567
Leaf spot on Asclepias?
as above except June 27, '34
568
mildew on Poa?
~~Prairie Sagebrush - Sheridan Co. June 21, 1934~~
569
Rust on wild currant
Tongue River June 27, 1934
570
Rust on wild snowberry
Tongue River above Ranchester
July 2, 1934
571
Rust on Poa
as above

8—3681

572

Rust on Stinging nettle (urtica)

as above

573

Leaf spots on wild currant

as above

574

Smut on Hordeum jubatum

as above

575

Smut on Avena fatua

Field 30% infected - as above

576

on populus

Lower Tongue River below Acme

July 3, 1934

577

on populus - new growth -

as above Two diseases?

578

Spot on Hydrophyllum bostrichodes

as above

579

Rust on Fraxinus - new growth

Lower Tongue River

July 5, 1934

580

Leaf spot on ?

as above

581

Rust on Clematis ligusticifolia

Lower Tongue River - July 6, 1934

582

mildew on Taraxacum officinale

as above

583

Leaf spots on two plants.

Both were collected earlier in season

These specimens may have more mature fruiting

Tongue River June 28, 1934

8—3681

Mrs McRae

	$5.00
nov. 27	5.00
Dec. 6	5.00

Collection Numbers

U. S. DEPARTMENT OF AGRICULTURE.

FORM 15. 1934

FIELD DIARY

AND

TRAVEL RECORD.

Mr. Reed C. Rollins

Agent
(Official title.)

Period, 1934 *to* _____

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8—3681

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When this book is filled another may be secured by application to the Chief of your Bureau.

W M Jardine

Secretary of Agriculture.

8—3681

DATE

584 Rhamnaceae
↓
Big Horn mts - Dayton - Kane
road. July 7, 1934
585
as above
586 Campanula
as above
587
Cliffs the rocks - Big Horn
mts - Sheridan County -
July 7, 1934
588 Castilleja
associated with Artemisia
moist hillside - as above
589 Juniperus
lower Tongue River -
Sheridan County July 5, 1934

Diseases

590
Stripe on grass
Wolf creek near Dayton, July 10, 1934

8—3681

591

Rust on willow

Wolf creek near Dayton

Sheridan county July 10, 1934

592

Spot on Clematis angustifolia

as above

593

Spot on ?

as above

594

Leaf spot on wild parsnip -

or possibly escaped -

As above

595

Spot on ?

as above

596

Leaf spot on white clover

as above

597

Rust on cicuta (water hemlock)

as above

598

Leaf spot on? (Golden Rod)

as above

599

Spot on Lupinus

as above

600

Spot on Alfalfa

Wolf Creek about 6 mi above

Ravalli - July 11, 1934

601

Spot on? Two to several

leaves coming directly out of ground

as above

602

Leaf spot on Chenopodium

as above

603

Leaf spot on Mentha

as above

604

Spot on Salix

as above - New growth

605

Leaf spot on ? (Raspberry)
beaver coming directly out of
ground - as above

606

Spot on cirsium arvense
as above - along creek

607

Leaf spot on ?
as above

608

Mildew on new growth of
amelanchier ?
as above

609

Rust on wild (Raspberry)
wolf creek etc - as above

610

Rust on Shepherdia
as above

611 - Puccinia grindeliae peck
Rust on ? (Same as 615)
as above | Erigeron sp

612

on bark of Alnus tenuifolia
along Wolf Creek - July 10, 1934

613

as above — (data)

614

Leaf spot on Cornus
Wolf Creek above Ranchester
July 12, 1934

615 Puccinia quiddae peck.
Rust on? (Same as 611)
as above On Erigeron sp.

616

Rust on?
as above

617 Gymnosporangium
Rust on Service berry
as above

618

Rust on poison ivy
as above

619

Leaf spot on P. d. Rhus rydbergii
as above

8—3681

620

On ?

as above

621

Rust on stinging nettle

as above

622

Rust on ?

as above

623

Leaf spot on arrowhead

wet land - as above

Fl ~~yellow~~ white - possibly two diseases

624 Puccinia violae

Rust on ~~dog tooth~~ Violet (~~Erythronium~~)

Forest floor above Story

Wyo. July 13, 1934

625

Leaf spot on ? (~~[illegible]~~)

above Story - as above

626

Rust on ? (

as above in open

627

Leaf spot on?

As above in open

628

Leaf spot on Wild Ribes (current)

as above

629

Leaf spot on?

As above

630

Leaf spot on wild Strawberries

as above

631

Leaf spot on?

as above - in the nts.

632 Gymnosporangium clavipes

Rust on Crataegus

as above

Phanaerogams

633

Soil in crevices of granite rocks

Big Horn nts above Story July 17, 34

8—3681

634 Solidago

as above

635 Gnaphalium?

Mint slope - Big Horn mts

as above - growing in clump -

636 Spirea

as above

637

Dodder on alfalfa

Wolf creek above Ranchester

July 16, 1934

Diseases

638

Leaf spot on Rumex?

prairie dog creek near Banner

July 17, 1934

639 Puccinia menthae Pers?

Rust on ~~Mentha~~ Lycopus

as above

640 Puccinia punctata Link-

Rust on ~~Rubus~~? Galium aparine

as above

641

on?

as above - Tall plant 3 ft growing in swamp

642

Spot on wild cucumber vine

as above

643

Rust on?

as above — moist place

plant about 2-4 ft.

644

Leaf spot on polygonum

as above - plants 2-4 ft

645

Stripe

as above

646

Stripe

as above

647

Spot

as above - moist situation

8—3681

648 puccinia atrofusca
Rust on ? carex
as above
649
Rust on ?
as above
650
Leaf Spot on wild morning glory
large flowered
Mead Creek near Banner
July 19, 1934
651
Spot on wild Helianthus sunflower
as above - in grain field
652
Rust on ? probably same as
a previous number
as above
653 Uromyces solidaginis (Comm.) Niel
Rust on Solidago ? could
be mistaken.

654 Puccinia polygoni-amphibii ??
Rust on ? (Polygonaceae)
as above Polygonum.

655
Rust on ? Epilobium hornemanii
as above

656 Erysiphe cichoracearum DC.
Water stages of a mildew
on ~~[illegible]~~ Galium aparine collected earlier
in season.
as above

657
Mildew on chokecherry
seedlings.
upper ~~[illegible]~~ Little Goose Creek
near Big Horn, Wyo.
July 20, 1934

Moss
658
on charcoal of old fireplace
Big Goose Creek near Bucktown
June, 1934

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659

on Shepardia argentea

Rock creek, Johnson County

Aug. 1, 1934

660

on populus laurifolia

as above -

661

on Ribes (current)

as above

662

on Ribes (gooseberry)

as above

663

Uref spot on Rosa

as above

664 Mucronia populi?

on populus laurifolia

as above -

665

on? possibly not a disease

as above

666

On Russian olive (escaped)

Clear creek above Buffalo,

Johnson County Aug 2, 1934

667

On ? leaf spot

as above

668

On plantago (mildew)

as above

669

Rust on Solidago

as above

670

On (Red Berries)

as above

671

Rust on Bindweed

Crazy woman Creek in the

Canyon - Johnson Co.

Aug. 6, 1934

672

~~upper~~ Rust on Clematis angustifolia -

upper clear creek - above Buffalo - aug. 4, 1934

673

Rust on

large lower lobe flower

as above (see sheridan co coll. for flower of plant.

674

On Shepardia argentea

Crazy Woman creek - aug. 6, 1934

675

spot on Clematis angustifolia

as above

676

Spot on Symphoricarpus oreophilus

as above

677

Rust on ?

as above

678

Spot on Senecio

Crazy Women Creek - in the canyon - Aug. 6, 1934

679

On arabis?

as above

680

On (Rust)

as above

681

On Mertensia (not coll. for mildew)

as above

682

Mildew on Mertensia

as above

683

Rust on Crataegus

Piney Creek - Johnson County

Aug. 7, 1934

684

On Cornus (Dogwood)

as above

685

Spot on ?

possibly Erythronium - only leaves evident - growing in dense shade

as above

686

Barley stripe

as above.

687

Rust on wild raspberry

as above

688

Rust on Senecio?

as above Aug. 8, 1934

689

Leaf spot on wild plum (prunus)

this shrub is some larger than the common species & was observed only on Piney creek - it is very distinct

from the more common species
a detailed study will no doubt reveal.

As above

690

On ? leaves only
evident - in shade -

As above

691

on Amelanchier (Service berry)

As above

692

Mildew on seedlings of (Chokecherry)
Crazy Woman Creek - in the
Canyon - Aug. 6, 1934

693

Rust on ?
Little Piney Creek - Johnson Co.
Aug. 9, 1934

697

Rust on Acer negundo L
Lower Piney Creek - Johnson
Co. Aug. 9, 1934

695
Mildew on ?
as above
696 Erysiphe polygoni ?
Mildew on Polygonum aviculare
as above
697
Mildew on Glycerhiza lepidota
Little Piney Creek - Johnson Co.
Aug. 9, 1934
698
Rust on Thalictrum
as above
699
Mildew on clover
as above
700
Leaf spot on ?
Piney Creek near Kearney, Wyo.
Aug. 9, 1934

701

Leaf Spot on Penstemon?

As above

702

on Rosa

upper Clear Creek

Aug. 2, 1934

703

Rust on Senecio?

upper Piney Creek

Aug. 10, 1934

704

Mildew on Helianthus (annuus?)

As above

705

On ? plant grower about

1 to 2 feet - very milky.

As above - Aug. 10, 1934

706

On ? Smilacina?

As above

707

Rust on Rosa

As above

708

Mildew on ?

As above

Phanaerogams

709 Acer glabrum

Crazywomen Creek - in the

Canyon. Aug. 6, 1934

710 Prunus

Piney Creek near Kearney, Wyo.

Aug. 8, 1934

711 Rosa

Upper Clear Creek

Aug. 2, 1934 - Johnson Co.

712 Hiatrus

Rock Creek - Aug. 1, 1934

Johnson County. Wyoming.

713 Moss

upper Rock Creek - Soil on Rock

Johnson Co - Aug. 1, 1934

714

Soil near stream

upper Clear Creek - Aug. 4, 1934

Johnson County.

715

Soil on Rock cliff - Spring

water off limestone -

upper Rock Creek - Johnson Co

Aug 1, 1934

716

on birch Diesse.

Lower Piney Creek

Aug 7, 1934

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717 Alfalfa seed off plant
6 years old. John Carr Ranch
on South Fork of the
Popo Agie 8 miles east
of Hauder, Fremont Co. Wyo.
Aug. 21, 1934 common alf.
Soil of clay type - fair to good
drainage. No evidence of
wilt eight inches below crown
pin head brown spots in pith
at 6 in below crown.
Same at 4 in. — center brown
at 3 in. 1 mm diam.
Crown in fair health.
718. Alfalfa seed from plant
8 yrs old on Joe Peterson
ranch. S. Fork Popo Agie
8 mi SE of Hauder - Common
alfalfa - Aug. 21, 1934
Sandy soil - drainage excellent.
very thin stand.

718. cont. pin head brown spots in pith at 8 in from crown. 12 spots - same at 6 inches - center rotted about 5 mm in diam. at 4 inches. Approx. same at 3 inches - Fairly healthy crown.

719. - Alfalfa seed from plant at least 8 possibly 10 yrs old - common - sandy well drained soil. Joe Patterson Ranch on S. Fork of Popo Agie - 8 mi S. E. of Lander. Aug. 21, 1934. no evidence of wilt six inches below crown. few brown spots in pith area - spots at 4 in. Slight attack of wilt indicated by brownish ring near cambium at 3 in. below crown. Center brown and hollow about 4 mm in diam at 3 in - crown fairly healthy.

720 Alfalfa seed collected from field of 15 yr old alfalfa at the Sam Hancock Ranch 25 mi. south of Wander.
Alfalfa of common variety. plants fairly healthy - stand in field thin. Drainage good - soil = sandy loam. Aug 22, 1934
721 Alfalfa seed collected from field of common at least 15 yr old - estimated 20 yrs old - Roots fairly badly diseased, crown rot. Soil heavy - drainage at least surface drainage good - M. N. Baldwin Ranch - Little Pecos Agie River - Aug 24, 1934
721a & b are samples from different plants

722

Rust on sedge

North Fork Popo Agie - Fremont

Co. Aug. 16, 1934

723

On Clematis angustifolia -

as above

724

On Salix (looks like Cottonwood

leaves but positively are not)

as above

725

Mildew on ?

as above

726

On Salix.

as above

727

Leaf spot on Currant

as above

728

Leaf spot on Rumex

as above

729

Rust on Mentha

as above

730

Rust on Clematis

as above

731

Rust on stinging nettle -

as above

732

Leaf spot on Clematis -

as above

733

Rust on ?

as above

734

Rust on Rose

as above

735

Rust on grass

as above

736

Rust on Hordeum jubatum

North Fork of Popo Agie - Fremont

County - Aug. 17, 1934

737

Rust on Lupinus

as above —

738

Rust on Monarda?

as above

739

Rust on ?

as above

740

Mildew on Sunflower

as above.

741

Rust on Salix

as above

742

Rust on Hieracium lepidota

as above

743

Mildew on Salix

as above

744

Spot on Rumex

as above

745

On milkweed (Asclepias)

as above

746

Spot on stinging nettle

as above

747 Marsonia potentillae (Desm.) Fischer

on Fragaria

as above

748 N. G.

On Fragaria

as above

749 Uncinula salicis (W C) Wint.
Mildew on Populus tremuloides
as above Aug. 17, '34
750
Rust on Populus tremuloides
as above Aug. 20, 1934
N. Fork of Popo Agie - above
757
Rust on Service berry
as above
752
Leaf spot on ?
as above
753
Mildew on Glycyrrhiza lepidota
as above
754
Spot on Milkweed
as above
755
Rust on willow
as above

756

Rust on willow

as above

757

Rust on raspberry

as above

758

Rusts on Hawthorne

as above

759

on ?

as above

760

on Iva xanthifolia

as above

761

Spot on Horse radish in garden

along N.F. P.A.R. Aug. 20 '34

Phanerogamae

762 Betula (white birch)

along N.F. Pepo Aqua Aug 17, 1934

763 Betula

Red bark birch —

as above

764 Crataegus

Shrubs 15 - 25 ft high —

along N. F. Popo Agie - Aug 17, 1934

765 Cirsium arvense (L) Scop var. integrifolia

Thistle of some kind?

Little Popo Agie River 15 mi

S. E. of Lander - Aug. 21, 1934

766

Rust on? ~~Erib.~~ polygonum?

As above

767 ~~Poorlea terrifolia~~

Spot on? ~~nothing on it!~~

as above

768 Poorlea terrifolia

Rust on? N. Is.

as above

769

Leaf spot on Rose

as above Aug. 22, 1934

8—3681

770

Rust on Rosa

Little Popo Agie 25 mi. S

of Lander - Aug 22, 1934

771

Rust on ~~Polygonum~~ Eriogonum

As above

772

On ? (S ?milacina) striped berries

As above

773

Mildew on Plantago

as above Aug. 23, 1934

774

Mildew on ?

Big Popo Agie below Lander

Aug. 24, 1934

775 stachys

Mildew on ?

As above

776
leaf spot on cornus
as above
777 on alnus moscow mts
Idaho, Sept. 30, 1934

778 on? shrub.
as above

779 mildew on Senecio
as above

780. on Symphoricarpos
as above

781 on? shrub.
as above.

782 on Rubus
as above

783 on Salix Moscow Mts, Idaho
as above Sept. 30, 1934

784 on Fragaria
as above

785 Rust on Carex
as above

786 Mildew on Rudbeckia
as above

787 Rust on Rosa
as above

788. Phragmites on Rubus
as above

789 Spot on Rumex crispus
as above

790 Spot on Senecio - Moscow mtn, Idaho
as above Sept. 30, 1934
791 mildew on Symphoricarpos
as above

792 Agaric. as above

793 agaric as above

794 agaric as above

795 agaric as above

796 agaric as above

797 agaric as above

798 agaric as above

799 agaric as above

800 Myxomycete Moscow Mts, Idaho
Sept. 30, 1934

801 Fungus as above

802 Fungus as above

803 Fungus as above

804 Fungus as above

805 Fungus as above

806 Fungus as above

807 Fungus as above

808 Fungus as above

809 Fungus "Basidio" as above

810 Fungus - Basidio. Moscow site, Idaho Sept. 30, 1934

811 Fungus as above

812 Fungus as above

813 Fungus - Discomycete - as above

814 Fungus - Discomycete as above

815 Fungus - Discomycete - as above

816 Fungus - as above

817 Fungus - as above

818 Fungus - phomes - as above

819 Fungus as above

820 Fungus as above

821 Fungus on dead pine needles
Moscow mts, Idaho
Sept. 30, 1934

822 Agaric - as above

823 Fungus - Basidio as above.

824
Uromyces Fabae (pers) De Bary
on Astragalus (ornatus Nutt?)
near Wander, Fremont Co. Wyo
Aug. 28, 1934

825 Claviceps purpurea (Fr) Tul.
on Elymus candensis L.
as above

826 Erysiphe polygoni DC.
on Lupinus argenteus pursh
as above

827 Gymnosporangium Nelsoni Arth.
on Amelanchier
as above

828 Erysiphe polygoni DC.
on clematis liquiritifolia Mitt
as above
829 Septoria convolvuli Desm.
on convolvulus sp.
near Hudson, Fremont Co, Wyo.
Aug. 29, 1934

33
862 Franklin County
863 phacelia linearis
about 8 mi. north of ~~Fort Kearney~~ Kahlotus
sand dunes - May 11, 1935
Louis Dillion & Rollins,
about 1400 ft above sea level.
864 astragalus
as above - on west slopes of
semi-dormant dunes.
865 gilia?
as above
866 Cryptanthe?
as above.

8—3681

867. Castilleja
as above -
868 Amelanchier
at the apex of active sand dunes
Tops growing above sand from 1 to
10 ft high.
as above
869 Carex
on the windward side of the
dunes - as above
870 Ranunculus ecpulcularis?
wet saline soil - between dunes at
upper Dune area - as above
871 Carex
wet saline soil - as 870
872 Betula
around lakes between dunes
as above
873 Wyethia?
along roadsides & among the
dunes (as above)

8—3681

874 Ranunculus

In the water - Seeps between the dunes - as above -

777. On Alnus Moscow Mts.
Idaho. Sept. 30, 1934

778. On? Shrub.
as above

779. Meldew on Senecio?
as above

780. On Symporicarpos
as above.

781. On Shrub.
as above.

782. On Rubus
as above

783. On Salix
as above.

784. On Fragaria
as above.

785. Rust on Carex
as above

786. On Rudbeckia — meldew.
as above

787 Rust on Rosa
as above

788 phragmidium on Rubus.
as above

789. Spot on Rumex crispus
as above

790 Spot on Senecio
as above

791 Meldew on Symphoricarpos
as above.

792. Agaric
793. "
794 "
795 "
796 "
797 "
798 "
799 "
800 Myxomycete
801 Fungus
802 "
803 "
804 "
805 "
806 "
807 "
808 "
809 Basidio
810 "
811 Fungus
812 "
813 " Discomycete
814 "
815 "
816 Fungus
817 "
818 " Phomes
819 "
820 "
821 " on pine needles
822 Agaric
823 Basidiomycete